

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 C07D 491/052**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C07D 491/052

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975.

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN(CASLINK)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	DONDONI et. al. 'Model Studies toward the Synthesis of Dihydropyrimidinyl and Pyridyl a-Amino Acids via Three-Component Biginelli and Hantzsch Cyclocondensations' In: Journal of Organic Chemistry, 2003, 68(16), p.6172-6183	1 - 4 1 - 12
X Y	El-Sedawy et. al. 'Metabolism of Swertiamarin from Swertia japonica by Human Intestinal Macteria' In: Planta Medica, 1989, 55(2), p.147-150	1 - 4 1 - 12
X Y	TADA et. al. 'Modification of Pyridine-3-carboxamide (Nicotinamide) by Radical Substitution' In: Journal of Heterocyclic Chemistry, 1989, 26(1), p.45-48	1 - 4 1 - 12
X Y	POPOV et. al. 'In vitro Transformations of Gentiopicroside and Swertiamarin' In: Journal of Natural Products, 1988, 51(4), p.765-768	1 - 4 1 - 12
A	ITOH et. al. 'Biogenetic Conversion of Tetrahydroisoquinoline-Monoterpene Glucosides into Benzopyridoquinolizine Alkaloids of Alangium lamarckii' In: Journal of Natural Products, 1996, 59(5), p.535-538	1 - 12
A	JAHANGIR et. al. 'A New Route to the Indolopyridonaphthyridine Ring System: Synthesis of N-Benzyl-13b, 14-Dihydronauclefine and N-Benzyl-13b,14-dihydroangustine' In: Tetrahedron, 1987, 43(24), p.5761-5768	1 - 12



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

07 APRIL 2005 (07.04.2005)

Date of mailing of the international search report

07 APRIL 2005 (07.04.2005)

Name and mailing address of the ISA/KR



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